

Power Cost Memorandum Fuel Cost Update

Date: **April 6, 2023**

Utility Name (Cert. No.) Pedro Bay Village Council (662)	Utility File No. PC51-0120W	Date Filed: March 6, 2023
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PCE AMOUNT SUMMARY	Previously Approved PC51-012V	Staff Recommended Amount(s) and Effective Date PC51-0120W
Class Rate	<u>Date Approved:</u> March 3, 2023	April 7, 2023
ALL	\$0.6209	\$0.6143
<input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Interim		

Prior Fuel Purchase Price: \$ 6.2528	New Fuel Purchase Price: \$ 6.1839
<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted	<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted
Delivery Charge: _____	Surcharge Change: Previous _____ Updated _____

Weighted Average Fuel Price/Gal. Calculation					
	<u>Gallons</u>		<u>Price</u>		
On-hand before deliv.	100	X	6.2528	=	625.28
Delivered	1,461	X	6.1792	=	9,027.81
	<u>1,561</u>				<u>\$ 9,653.09</u>
					Weighted Average \$ 6.1839

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Signed: Brenda Cox
Brenda Cox

Utility Financial Analyst

Commission decision re. this recommendation :

	Date (if different from 4/6/23)	I CONCUR	I DO NOT CONCUR	I WILL WRITE A DISSENTING STATEMENT *
Kurber		<u>KKZ</u>		
Doyle		<u>BD</u>		
Pickett		<u>RMP</u>		
Sullivan		<u>RMP</u> for DS		
Wilson		<u>JWW</u>		

Special Instructions to Staff:

* If this column is initialed, Staff will contact the Commissioner for the statement. Otherwise, dissent will simply be noted at the close of the By Direction Letter or Order.

Pedro Bay Village Council

APPENDIX 1

POWER COST EQUALIZATION CALCULATION
FOR PERIOD ENDING September 30, 2019

Fuel Cost Update

	PC51-012V	PC51-0120W	
	Prior Staff Calculated	Utility Request	Staff Recommended
A. Total kWh Generated	178,710	178,710	178,710
B. Total kWh Sold (Appendix 2)	151,194	151,194	151,194
C. Total Non-Fuel Costs (Appendix 2)	22,063	22,063	22,063
D. Non-Fuel Cost/kWh (C / B)	\$0.1459	\$0.1459	\$0.1459
E. Total Fuel Costs (Appendix 2)	106,472	105,300	105,300
F. Fuel Costs/kWh (E / B)	\$0.7042	\$0.6965	\$0.6965
G. Eligible Costs/kWh (D + F)	\$0.8501	\$0.8424	\$0.8424
H. Eligible Cost/kWh (G) less base rate in effect	\$0.6543	\$0.6466	\$0.6466
I. Lesser of (H) or 80.42 cents/kWh	\$0.6543	\$0.6466	\$0.6466
J. Average Class Rates (Appendix 3)			
ALL	\$0.6209	\$0.6209	\$0.6209
Class Power Cost Equalization Per kWh Payable			
K. Lesser of: (I) x 95% or (J)			
ALL	\$0.6209	\$0.6143	\$0.6143
L. Funding Level in Effect	100%	100%	100%
ALL	\$0.6209	\$0.6143	\$0.6143

PC51-0120W
Appendix 1

Pedro Bay Village Council

APPENDIX 2

SCHEDULE OF ELIGIBLE POWER COSTS, SALES, AND EFFICIENCY FOR PERIOD ENDING September 30, 2019

Fuel Cost Update

		PC51-012V	PC51-0120W	
		Prior Approved	Per Utility	Staff Recommended
Non-Fuel Costs:				
A.	Personnel Costs	14,867	14,867	14,867
B.	Operating Expense	1,853	1,853	1,853
C.	General & Administrative	4,137	4,137	4,137
D.	Depreciation	909	909	909
E.	Interest Expense	297	297	297
F.	Other (Describe)	0	0	0
G.	Total Non-Fuel Costs	\$22,063	\$22,063	\$22,063
Fuel Costs:				
H.	Gallons Consumed for Electric Generation	17,028	17,028	17,028
I.	Price of Fuel:(per gal) Weighted Average	\$6.2528	\$6.1839	\$6.1839
J.	Total Cost of Fuel	\$106,472	\$105,300	\$105,300
K.	kWh Generated	178,710	178,710	178,710
L.	kWh Sales	151,194	151,194	151,194
M.	kWh Station Service	12,112	12,112	12,112
N.	Efficiency (K/H)	\geq <u>Standard</u> 10.50	10.50	10.50
O.	Line Loss	\leq 12%	8.62%	8.62%
(kWh Generated -(kWh Sold + Station Service)/kWh Generated)				

Weighted Average Fuel Price/Gal. Calculation

	<u>Gallons</u>		<u>Price</u>			
On-hand before deliv.	100	X	6.2528	=	625.28	
Delivered	1,461	X	6.1792	=	9,027.81	Weighted
	1,561				\$ 9,653.09	Average
						\$ 6.1839

PC51-0120W

Appendix 2

CALCULATION OF AVERAGE CLASS RATE PER kWh

Rate Schedule: **All**

Customer Charge (CC): \$5.00

(1) Block (by kWh)	(2) Rate (\$/kWh)	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)+CC	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$ 0.1958
0 to 750	0.8100		0.8100	612.50		
751 to						
to						
to						
Max 750			Total	612.50	0.8167	0.6209

Rate Schedule:

(1) Block (by kWh)	(2) Rate (\$/kWh)	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$ 0.1958
0 to						
to						
to						
to						
Max 750			Total			

Rate Schedule:

(1) Block (by kWh)	(2) Rate (\$/kWh)	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$ 0.1958
0 to						
to						
to						
to						
Max 750			Total			

Rate Schedule:

(1) Block (by kWh)	(2) Rate (\$/kWh)	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$ 0.1958
0 to						
to						
to						
to						
Max 750			Total			

PEDRO BAY VILLAGE COUNCIL

	Invoice Number	Delivery Date	Gallons	Cost per Gallon	Delivery/ Mark-Up per Gallon	Total Cost
Beginning Fuel Inventory			100			
Last Approved Fuel Cost/Gal.				6.2528		
Beginning Fuel Inventory in Gallons	X	Last Approved Fuel Cost/Gal. = Beginning Fuel Inventory Cost --->				\$ 625.28
Reporting Period Purchases	2297	08/18/22	1,461.0	5.9634	0.2158	9,028
						-
						-
						-
						-
						-
						-
						-
						-
						-
						-
Totals for Reporting Period Purchases on this sheet:			1,461			\$ 9,027.81
Grand Totals (beginning inventory plus purchases)	A		1,561		B	\$ 9,653.09

Grand Total Cost divided by Grand Total Gallons = 6.1839 Weighted Avg. Cost per gallon
Purchases: Total Cost divided by Grand Total Gallons = 6.1792 Weighted Avg. Cost per gallon

Pedro Bay's 2022 mark-up Schedule shows a mark-up of \$0.8390, made up of \$0.2158 expenditures per gallon and \$0.6232 for restocking fuel and R&R account. Staff did not include the \$0.6232 per gallon because the restocking fuel and R&R accounts are not costs to the utility at this time.

Signature: Keith Kurber II
Keith Kurber II (Apr 6, 2023 10:11 AKDT)

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Signature: Bob Doyle
Bob Doyle (Apr 6, 2023 10:14 AKDT)

Email: bob.doyle@alaska.gov

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Signature: Janis W. Wilson
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